

Attorney's Docket No.: 14184-043001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mark G. Currie et al.

Art Unit : Unknown

Serial No.: 10/796,719

Examiner: Unknown

Filed

: March 9, 2004

Title

: METHODS AND COMPOSITIONS FOR THE TREATMENT OF

GASTROINTESTINAL DISORDERS

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

(lejohn/Ph.D. leg. No/35/283

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Substitute Form FTO-1449 (Modified)

Information Disclosure Statement (Use Statement (Use Statement) (Modified)

(Modified)

Information Disclosure Statement (Use Statement (Use Statement) (Use Statement) (Mark G. Currie et al. (Use Statement) (Mark G. Statement (Use Statement) (Mark G. Statement) (Mark G. Statement) (March 9, 2004)

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,395,490	3/7/1995	Hoff	204	132	
	AB	5,140,102	8/18/1992	Currie	530	326	
	AC						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AD						

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.				
Initial	ID	Document			
	AE	Amarante et al., "The κ-opioid agonist (±)-bremazocine elicits peripheral antinociception by activation of the L-arginine/nitric oxide/cyclic GMP pathway" <u>European Journal of Pharmacology</u> ,			
ļ		Vol. 454: pages 19-23 (2002).			
	AF	Arita et al., "Purification and characterization of a heat-stable enterotoxin of Vibrio mimicus" <u>FEMS</u> Microbiology Letters, Vol. 79/1: pages 105-110 (1991).			
	AG	Chan et al., "Amino Acid Sequence of Heat-stable Enterotoxin Produced by Escherichia coli Pathogenic for Man" The Journal of Biological Chemistry, Vol. 256, No. 15: pages 7744-7746 (1981).			
	AH	Forte et al., "Lymphoguanylin: Cloning and Characterization of a Unique Member of the Guanylin Peptide Family" Endocrinology, Vol. 140, No. 4: pages 1800-1806 (1999).			
	AI	Giannela, "Escherichia coli heat-stable enterotoxins, guanylins, and their receptors: What are they and what do they do?" The Journal of Laboratory and Clinical Medicine, Vol. 125, No. 2: pages 173-181 (1995).			
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	AL	Huang et al., "Nucleotide sequence of a gene encoding the novel Yersinia enterocolitica heat-stable enterotoxin that includes a pro-region-like sequence in its mature toxin molecule" <u>Microbial</u> Pathogenesis, Vol. 22: pages 89-97 (1997).			
	AM	Jain et al., "Sildenafil-induced peripheral analgesia and activation of the nitric oxide-cyclic GMP pathway" Brain Research, Vol. 909: pages 170-178 (2001).			
	AN	Kim et al., "Changes in ghrelin and ghrelin receptor expression according to feeding status" NeuroReport, Vol. 14, No. 10: pages 1317-1320 (2003).			
	АО	Lazaro-Ibanez et al., "Participation of the nitric oxide-cyclic GMP-ATP-sensitive K ⁺ channel pathway in the antinociceptive action of ketorolac" <u>European Journal of Pharmacology</u> , Vol. 426: pages 39-44 (2001).			

Examiner Signature	Date Considered					
EXAMINER: Initials citation considered. Draw line through citation if no	I of in conformance and not considered. Include copy of this form with					
next communication to applicant.						

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Trademark Office				
1	closure Statement	Applicant Mark G. Currie et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date March 9, 2004	Group Art Unit	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	Decument
Initial	ID	Document Moseley et al., "Isolation and Nucleotide Sequence Determination of a Gene Encoding a Heat-Stable
	AP	Enterotoxin of Escherichia Coli" Infection and Immunity, Vol. 39, No. 3: pages 1167-1174 (1983).
		Nzegwu et al., "Luminal capsaicin inhibits fluid secretion induced by exterotoxin E. coli STa, but
	AQ	not by carbachol, in vivo in rat small and large intestines" Experimental Physiology, Vol. 81, No. 2:
		pages 313-315 (1996). Rolfe et al., "Enterotoxin <i>Escherichia coli</i> STa activates a nitric oxide-dependent myenteric plexus
	AR	secretory reflex in the rat ileum" The Journal of Physiology, Vol. 475, No. 3: pages 531-537 (1994).
	AS	Rolfe et al., "Vagotomy inhibits the jejunal fluid secretion activated by luminal ileal Escherichia coli
	Ab	STa in the rat in vivo" <u>GUT</u> , Vol. 44: pages 615-619 (1999).
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		So et al., "Nucleotide Sequence of the Bacterial Transposon Tn1681 Encoding a Heat-Stable (ST)
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	^0	Academy of Sciences of the U.S.A., Vol. 77, No. 7 [Part 2: Biological Sciences]: pages 4011-4015
		(1980). Soares, et al., "Dibutyryl-cyclic GMP induces peripheral antinociception <i>via</i> activation of ATP-
	AV	sensitive K ⁺ channels in the RAT PGE ₂ -induced hyperalgesic paw" <u>British Journal of Pharmacology</u> ,
		Vol. 134: pages 127-131 (2001).
	AW	Takao et al., "Amino acid sequence of heat-stable enterotoxin produced by Vibrio cholerae non-01"
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	AX	Yersinia enterocolitica" European Journal of Biochemistry, Vol. 152, No. 1: pages 199-206 (1985).
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		C" Molecular and Cellular Biochemistry, Vol. 230, Nos. 1&2: pages 73-83 (2002).
	AZ	GenBank Accession No. QHECIB; GI:69638; Aimoto et al., June 18, 1999.
	AAA	GenBank Accession No. P01559; GI:123711; So et al., October 25, 2004.
	ABB	GenBank Accession No. AAA24653; GI:147878; Sekizaki et al., April 26, 1993.
	ACC	GenBank Accession No. P01560; GI:123707; Chan et al., June 15, 2004.
	ADD	GenBank Accession No. AAA27561; GI:295439; Ogawa et al., June 12, 1993.
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	AFF	GenBank Accession No. S34671; GI:421286; Rossolini et al., April 12, 1995.
··	AGG	GenBank Accession No. CAA52209; GI:395161; Guglielmetti et al., July 27, 2995.
	АНН	GenBank Accession No. A54534; GI:628844; Arita et al., May 3, 1996.
	AII	GenBank Accession No. AAL02159; GI:15592919; Teixeira et al., September 13, 2001.
	AJJ	GenBank Accession No. AAA18472; GI:487395; Mikulskis et al., May 26, 1994.
	AKK	GenBank Accession No. S25659; GI:282047; Takao et al., October 15, 1999.

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	losure Statement plicant	Applicant Mark G. Currie et al.		
(Use several sheets if necessary)		Filing Date March 9, 2004	Group Art Unit	

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner Initial					
	ALL	GenBank Accession No. P74977; GI:3913874; Ramamurthy et al., June 15, 2004.			
	AMM	GenBank Accession No. BAA23656; GI:2662339; Huang et al., February 13, 1999.			
"	ANN	GenBank Accession No. P31518; GI:399947; Ibrahim et al., March 15, 2004.			
	AOO	GenBank Accession No. P07965; GI:3915589; Stieglitz et al., June 15, 2004.			
	APP				

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